

Converting Colors

XYZ(59.6822, 51.9606,
157.3594)

Have a look what the booklet for
XYZ(59.6822, 51.9606, 157.3594)
contains.

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Color

**XYZ(49.0711, 47.7413,
101.2364)**

Conversions

Conversions Part 1

Format	Color
Hex	A0B5FF
RGB	160, 181, 255
RGB Percent	63%, 71%, 100%
CMY	0.3725, 0.2902, 0.0000
CMYK	0.37, 0.29, 0.00, 0.00
HSL	227°, 100%, 81%
HSV	227°, 37%, 100%
XYZ	49.0711, 47.7413, 101.2364
YIQ	183.1570, -36.2700, 18.5620

Conversions

Conversions Part 2

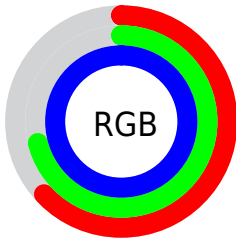
Format	Color
RYB	160, 177, 255
Decimal	10532351
CIELab	74.66, 10.33, -38.89
CIELCh	75, 40.240, 284.875
Yxy	47.7413, 0.2478, 0.2411
Android (android.graphics.Color)	4288722431 (0xFFA0B5FF)
YUV	183.1570, 35.4186, -20.3087
Hunter-Lab	69.0951, 5.8537, -38.5037

Details

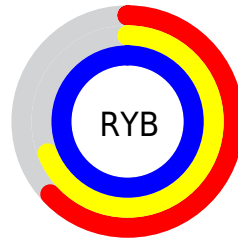
The XYZ color **49.0711, 47.7413, 101.2364** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **77.0088, 82.6446, 45.1530**, and the grayscale version is **44.9232, 47.2627, 51.4691**.

A 20% lighter version of the original color is **76.9495, 82.5401, 106.4839**, and **23.7379, 22.5188, 56.5215** is the 20% darker color. If you saturate the color by 10%, you get **40.7314, 37.8685, 99.7703**, and if you desaturate by 10%, it is **59.0350, 59.3081, 102.9439**.

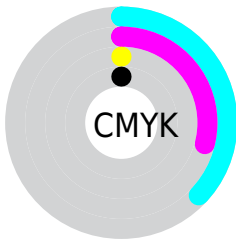
Distribution



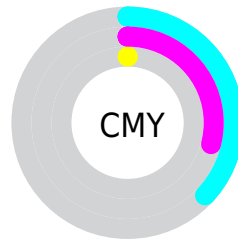
- Red (63%)
- Green (71%)
- Blue (100%)



- Red (63%)
- Yellow (69%)
- Blue (100%)



- Cyan (37%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0711, 47.7413, 101.2364 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 49.0711, 47.7413, 101.2364 by changing the saturation by 10% instead.

■ 49.0711, 47.7413,
101.2364

■ 49.0711, 47.7413,
101.2364

373.5345,
377.7658, 585.4300

■ 34.8907, 33.6221,
76.7109

■ 87.9971, 86.8191,
164.9219

■ 23.7448, 22.6034,
56.5055

■ 113.4734,
112.5465, 204.9190

■ 15.2681, 14.3009,
40.2016

143.4457,
142.9120, 250.9103

■ 9.0953, 8.3303,
27.3808

178.2793,
178.3000, 303.3145

■ 4.8610, 4.3070,
17.6245

218.3397,
219.0951, 362.5500

■ 2.1999, 1.8467,
10.5141

263.9921,

■ 0.7427, 0.5161,

265.6814, 429.0354

5.6311

315.6019,
318.4435, 503.1892

■ 0.0000, 0.0000,
2.5569

■ 0.0000, 0.0000,
0.8701

■ 49.0711, 47.7413,
101.2364

■ 49.0711, 47.7413,
101.2364

■ 40.7314, 37.8685,
99.7703

■ 59.0350, 59.3081,
102.9439

■ 33.9229, 29.6029,
98.5337

■ 70.7004, 72.6398,
104.9023

■ 28.5497, 22.8574,
97.5149

■ 84.1447, 87.8092,
107.1217

■ 24.5024, 17.5342,
96.7008

■ 95.0500, 100.0000,
108.9000

■ 21.6552, 13.5227,
96.0765

■ 19.8507, 10.6913,
95.6251

■ 19.4820, 10.0841,
95.5273

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.8165, 47.7413, 101.1657



49.0711, 47.7413, 101.2364



56.0029, 47.7413, 85.9366

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.0711, 47.7413, 101.2364



56.0527, 47.7413, 28.4904



33.1452, 47.7413, 42.1950

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.0711, 47.7413, 101.2364



77.0088, 82.6446, 45.1530

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



36.1875, 47.7413, 28.4075



49.0711, 47.7413, 101.2364



49.1334, 47.7413, 22.0607

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.0711, 47.7413, 101.2364



60.3176, 47.7413, 42.3425



41.8725, 47.7413, 22.0351



33.1324, 47.7413, 62.9840

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.0711, 47.7413, 101.2364



59.2880, 47.7413, 70.9587



41.8725, 47.7413, 22.0351



33.8318, 47.7413, 36.7319

Sweetspot

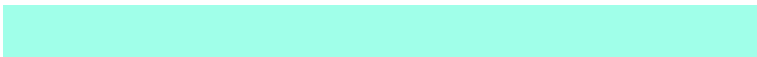
The Sweet Spot groups the original color and five complimentary colors.



49.0726, 47.7430, 101.2367



78.8943, 81.9058, 106.2590



64.9424, 84.8678, 89.9251



16.4935, 17.0879, 22.6789



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.0726, 47.7430, 101.2367



42.4738, 39.9500, 100.0802



50.7105, 42.7194, 100.1807



17.3286, 18.0287, 22.8165



10.2693, 5.4481, 49.9449



1.0766, 0.6839, 4.8885

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



62.1524, 49.7395, 50.0426



57.5023, 42.8284, 41.1277



74.6322, 90.8263, 46.8574



18.1737, 18.0528, 19.5320



21.9717, 11.2780, 3.2353



2.1780, 1.1136, 0.5189

Previews

White Background



This preview shows how the XYZ color 49.0711, 47.7413, 101.2364 looks on a white background.

Color Contrast Check

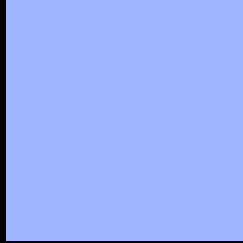
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.0711, 47.7413, 101.2364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

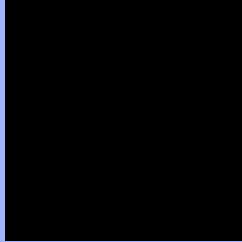
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0711, 47.7413, 101.2364

Background



This preview shows how black text looks on a background with the XYZ color 49.0711, 47.7413, 101.2364.



This preview shows how white text looks on a background with the XYZ color 49.0711, 47.7413,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49.0711, 47.7413, 101.2364

Protanopia

49.2718, 47.8448, 101.2458

Deuteranopia

48.8719, 47.6387, 101.2271



Tritanopia

41.7668, 47.5790, 65.3748

Trichromacy



Original Color

49.0711, 47.7413, 101.2364

Protanomaly

49.2718, 47.8448, 101.2458

Deuteranomaly

48.8719, 47.6387, 101.2271

Tritanomaly

44.1738, 47.5979, 77.3801

Monochromacy



Original Color

49.0711, 47.7413, 101.2364

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.9158, 47.1733, 67.0069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0711, 47.7413, 101.2364 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(160, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 181, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(160, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 181, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.0711, 47.7413, 101.2364 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(160, 181, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(160, 181, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(160, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 181,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0711, 47.7413, 101.2364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 181, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(160,  
181, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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